

~~Martinkova~~, Eva [Maršíkova, Eva], Chekhoslovatskaya zhurnalistka

Masters of their country. Sov.profsoiuzy 7 no.4:53-54
Fe '59. (MIRA 12:5)
(Czechoslovakia--Labor productivity)

MARLINEK, Boleslaw

SIBLUBOWICZ, Jan; MARZINIK, Boleslaw; PIETRASEKIEWICZ

Intrasplenic portal radiography. Polski tygod. lek. 9 no.20:
612-615 17 May 54.

1. Z Kliniki Chirurgicznej Akademii Medycznej w Warszawie,
dyrektor prof. dr T. Butkiewicz.

(VEINS, PORTAL SYSTEM, radiography,
intrasplenic admin. of contrast media)

(ANGIOGRAPHY,
portal, intrasplenic admin. of contrast media)

RYKOWSKI, Henryk; MARZINEK, Boleslaw

Preservation of homogenous and heterogenous blood vessels;
vascular bank. Polski tygod. lek. 10 no.37:1201-1205 12 Sept 55.

l. Z I Kliniki Chirurgicznej A.M. w Warszawie; kierownik: prof.
dr. T. Butkiewicz z Oddz. Chirurgicznego Szpitala, ul. Zelazna
90. Warszawa, ul. Nowolipki 15 m. 33.

(BLOOD VESSELS, transplantation,
banks of preserved vessels
(TRANSPLANTATION,
blood vessels, banks of preserved vessels.

RUDOWSKI, Witold, MARZI NIEK, Boleslaw

Indications for early laminectomy in injuries of the spinal cord.
Polski przegl. chir. 27 no.6:587-591 Je '55.

1. Z I. Kliniki Chirurgicsnej. A.M. w Warszawie. Kierownik: prof.
dr. T. B. Butkiewicz, Warszawa 22, ul. Glogera 3 m. 18.
(SPINAL CORD, wounds and injuries,
surg., laminectomy, indic.)
(WOUNDS AND INJURIES,
spinal cord, laminectomy, indic.)

NIELUBOWICZ, Jan; MARZINKE, Boleslaw; PIETRASZKIEWICZ, Eugeniusz.

Assumed role of the hepatic sphincter in shock. Polski przegl.
chir. 27 no.7:653-663 July '55.

1. Z I Kliniki Chirurgicznej A.M. w Warszawie Kierownik: prof.
dr. T. Butkiewicz.

(SHOCK, physiology
role of hepatic sphincter, biochem. histopathol. &
physiol. aspects)

(WINS, HEPATIC
hepatic sphincter, role in shock, biochem, histopathol
& physiol. aspects)

RYKOWSKI, Henryk; MARZINEK, Boleslaw; KOBUSZEWSKA, Maria; NIMLUBOWICZ, Jan

Experimental transplantation of lyophilized arteries. Polski
tygod. lek. 11 no.25:1105-1108 18 June 56.

1. Z I Klin. Chirur. A.M. w Warszawie; kier. prof. T. Butkiewicz,
z oddz. chirur. Szpitala Zelazna 90 i z Zak. Anat. Patolog. A.M.
w Warsz., kier. prof. dr. L. Paszkiewicz, Warszawa Nowolipki 15 m.
33 bl. 46.

(ARTERIES, transplantation,
exper., of lyophilized arteries (Pol))
(TRANSPLANTATION, experimental,
arteries, lyophilized (Pol))

BOBER, Stanislaw; NIELUBOWICZ, Jan; JUSTYNA, Mieczyslaw;
KRZEMIŃSKA-LAWKOWICZOWA, Izabella; MARZINEK, Bolesław

Electrocardiographic changes during experimental hypothermia in
dogs. Polski tygod. lek. 12 no.1:1-7 1 Jan 57.

1. (Z Pracowni Chirurgii Doswiadczałnej; kierownik: doc. dr.
med. J. Nielubowicz z zakładu Patomorfologii Polskiej Akademii
Nauk; dyrektor prof. dr. nauk med. L. Paszkiewicz oraz z I
Kliniki Chorób Wewnętrznych A.M. w Warszawie; kierownik; prof.
dr. nauk med. A. Biernacki). Adres: Warsaw-Okocie, ul. Kazimierza
Wielkiego 20.

(HYPOTHERMIA, exper.
ECG changes in dogs (Pol))

(ELECTROCARDIOGRAPHY
changes in exper. hypothermia in dogs (Pol))

MARZINEK, BOLESLAW

BOBER, Stanislaw; NIELUBOWICZ, Jan; MIECZYSLAW, Justyna; KRZEMINSKA-LAWKOWICZOWA, Izabella; MARZINEK, Boleslaw

Volume of circulating blood in experimental hypothermia in dog.
Polski tygod. lek. 12 no.10:346-348 4 Mar 57.

1. (Z Pracowni Chirurgii Doświadczalnej; kierownik: doc. dr. med. J. Nielubowicz, Zakładu Patomorfologii Polskiej Akademii Nauk; dyrektor: prof. dr. nauk med. L. Paszkiewicz oraz z I Kliniki Chorób Wewnętrznych A.M. w Warszawie; Kierownik: prof. dr. nauk med. A. Biernacki). Adres: Warszawa-Okęcie, ul. Kazimierza Wielkiego 20.

(HYPOTHERMIA, exper.

determ. of circ. volum in dog. (Pol))

(BLOOD CIRCULATION, determ.

circ. volume in exper. hypothermia in dog (Pol))

BOBER, Stanislaw; NIELUBOWICZ, Jan; JUSTYNA, Mieczyslaw;
KREZMINSKA-LANKOWICZOWA, Isabela; MARZINEK, Boleslaw

Behavior of plasma proteins in experimental hypothermia in
dogs. Polski tygod. lek. 12 no.15:543-545 8 Apr 57.

1. (Z Pracowni Chirurgii Doswiadczennej; kierownik: doc. dr. med.
J. Nielubowics, Instytutu Patomorfologii Polskiej Akademii Nauk;
dyrektor: prof. dr. nauk med. L. Paszkiewicz oraz z I Kliniki
Chorob Wewnętrznych A.M.; kierownik: prof. dr. nauk med.
A. Biernacki). Adres: Warszawa. Okocim, ul. Kasimierska Wielkiego
20.

(BLOOD PROTEINS
eff. of hypothermia in dogs (Pol))
(HYPOTHERMIA, eff.
on blood proteins in dogs (Pol))

MARZINEK, BOLESLAW

BOBER, Stanislaw.; NIELUBOWICZ, Jan.; JUSTYNA, Mieczyslaw.; KRZEMIŃSKA-LANKOWICZOW,
Izabella.; MARZINEK, Boleslaw.

Behavior of blood electrolytes in experimental hypothermia in dogs.
Polski tygod. lek. 12 no.17:627-631 22 Apr 1957.

1. z Pracowni Chirurgii Doświadczalnej; kierownik doc. dr med. J.
Nielubowicz z Instytutu Patomorfologii Polskiej Akademii Nauk; dyrektor:
prof. dr nauk med. L. Paszkiewicz oraz z I Kliniki Chorob Wewnętrznych
A. M. Kierownik: prof. dr nauk med. A. Biernacki, Warszawa-autora:
Warszawa-Okocie, ul. Kazimiersza Wielkiego 20.

(HYPOTHERMIA, exper.
blood electrolytes in dogs (Pol))
(ELECTROLYTES, in blood
in hypothermia in dogs (Pol))

EXCERPTA MEDICA Sec.18 Vol.2/2 Cardiovascular Dis. Feb 53
MARZINEK, B.

541. RYKOWSKI H. and MARZINEK B. 2 Zakl. Chir. Inst. D.I.S.K.L., 1 Klin.
Chir. A.M., Warszawa. Odlegle wyniki doświadczalnych przeszczepień tętnic konser-
wowanych *Remote results of experimental transplantations of conserved arteries* Pol.
Tyg. lek. 1957, 12/23 (873-875) Illus. 4

Observation over 8 yr. of patients in whom conserved arteries were transplanted showed
that remote results of those operations equalled, on the whole, the early results.

54-1

especially in wounds and bruising of arteries, in pseudo and true aneurysms and in congenital defects of the aorta and the pulmonary artery. On the other hand, the transplants in arterial thromboses on the ground of arteriosclerosis in Buerger's disease were mostly closed again by thrombosis in the course of about 1 yr. The evaluation of late complications is difficult as yet on the basis of the described cases, but the remote results of experiments on dogs show that in the transplant may occur with the lapse of time: (1) late thrombosis; (2) deposition of Ca sediments; (3) saccular distension. Mention is made of observations of remote results in 3 operated dogs, observed over the period from 503 to 960 days after the operation.

MARZINIK, B.; BORKOWSKI, M.; JUSTYNA, M.; KAMINSKI, B.; PIETRASZKIEWICZ, E.;
POKLEWSKA, I.; RYKOWSKI, H.; SZCZERBAN, J.; SZCZYGIEL, B.; WIECKOWSKA,
W.; ZAWADOWSKI, J.

Experiments with the new apparatus for extracorporeal circulation &
oxygenation constructed by Z. Semerau-Siemianowski & J. M. Folga. Pre-
liminary research. II. Surgical management. Polski tygod. lek. 13 no.50:
2030-2032 15 Dec 58.

l. Z Zakladu Chirurgii Doswiadczonej PAM w Warszawie; kierownik: doc.
dr med. J. Nielubowicz.
(HEART, artif.
heart-lung appar., surg. management (Pol))

BOKIEWICZ, Janusz; ZGLICZYSKI, Leszek; MARZINEK, Boleslaw; NIEJUBOWICZ, Jan
Technic and diagnostic possibilities of splenoportography. Polski przegl.

radiol. 23 no.3:175-190 May-June 59.

1. Z Zakladu Radiologii Lekarskiej A.M. w Warszawie Kierownik: prof. dr
nauk med. W. Zawadowski Z I Kliniki Chirurgicznej Akademii Medycznej w
Warszawie Kierownik: prof. dr nauk med. T. Butkiewicz.

(ANGIOPORTOGRAPHY,
splenoportography, technic & diag. value (Pol))

MARZINEK, Boleslaw; NIELUBOWICZ, Jan

Preliminary experience with experimental studies on vascular
grafts produced in Poland. Pol. przegl. chir. 35 no.10/11:
1100-1102 '63.

.. Z Zakladu Chirurgii Doswiadczonej PAN Kierownik: prof.
dr J. Nielubowicz.
(BLOOD VESSEL PROSTHESIS) (AORTA)

RYKOWSKI, Henryk; RUDOWSKI, Witold, prof. dr. med.; KRZESKI, Stefan,
dr. med.; LITWIAK, Franciszek, doc. dr. med.; FEIGIN, Mieczyslaw,
prof. dr. med.; MARZINEK, Boleslaw

2 cases of surgical treatment of renal hypertension. Pol. tyt. 1976.
20 no.10:349-350 P.Mr 176.

1. Z I Kliniki Chirurgii i Stomatologii Dydaktycznej Lekarzy (Kier. am-
bikat prof. dr. med. J. Kublik); z Oddziału Chirurgii i Stomatologii
Jęzierskiego (Ordynator: prof. dr. med. W. Rudnicki); z Kliniki
Urologicznej Szpitala im. Jana Pawłego II (Ordynator: dr. med. T. Krzyżan);
z Oddziału Nowotworów Szpitala Włodzickiego (Ordynator: dr. med.
F. Litwak); z Oddziału Nowotworów Szpitala im. Jana Pawłego II
w Warszawie (Ordynator: prof. dr. med. M. Feigin) i z Kliniki
Chirurgicznej Akademii Medycznej w Warszawie (Kier. am. amb. dr. med.
J. Kielubowicz).

NIELBOWICZ, Jan; MAREK, Boleslaw; LISZEWSKI, Walther; WITKOWA, Hanna

Aneurysms of the abdominal aorta. Pol. tyg. lek. 21, 1965, No. 11
26 Ap '65.

I. Z I Kliniki Chirurgicznej AM w Warszawie (Kierownik - prof. dr hab.
med. Jan Nielubowicz).

MARZINEK, Kazimierz

Significance of Biernacki's reaction during balneotherapy
in diseases of female reproductive organ. Polski tygod.
lek. 12 no.1:20-23 1 Jan 57.

1. (Z Kliniki Polonictwa i Chorob Kobiecych A. M. w Warszawie
i z Ośrodka Naukowo-leczniczego w Ciechocinku; kierownik: prof.
dr. nauk med. A. Czyżewicz). Adres: Warszawa i Kl. Polon. i
Chor. Kob. pl. Starynkiewicza.

(ADNEXITIS, ther.

balneother., significance of Biernacki's reaction in (Pol))
(BALNEOLOGY, in various dis.

adnexitis, significance of Biernacki's reaction in (Pol))

MARZINEK, Kazimierz

Bath treatment during menstruation. Polski tygod. lek.
12 no.5:165-170 28 Jan 57.

1. (Z Kliniki Położnictwa i Chorób Kobiecych A.M. w Warszawie
i Ośrodku Maukows-Leczniczeego w Ciechocinku: kierownik: prof.
dr. nauk med. A. Grysiewicz). Adres: Warszawa, Pl. Staryakiewicza
2. Klinika Pol. i Chorób Kobiecych. A.M.
(ADMEKITIS, ther.

balneother., indic. & contraindic. during menstruation (Pol)
(BALNEOLOGY, in various dis.
adnexitis, indic. & contraindic. during menstruation (Pol))
(MENSTRUATION
indic. & contraindic. of balneother. in (Pol))

MARZINEK, Kazimierz

Results of the treatment of inflammatory conditions of the female genitalia with mud at a low temperature. Pol. tyg. lek. 17 no.37:
1452-1455 10 S '62.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych AM w Warszawie i Ośrodku
Naukowo-Leczniczego w Ciechocinku; kierownik: prof. dr med. T. Bulska.
(GYNECOLOGY) (MUD THERAPY)

STERNADEL, Zbigniew; MARZINEK, Kazimierz

Local anesthesia in the final phase of labor with xylocaine spray. Pol. tyg. lek. 18 no.42:1562-1565 14 0'63.

1. Z I Kliniki Położnictwa i Chorób Kobiecych AM w Warszawie; kierownik: prof. dr.med. T.Bulski.

L 05039-67

ACC NR: AR6015954

SOURCE CODE: UR/0299/65/000/023/R048/R048

AUTHORS: Marzokko, F.; Bartrem, F.

TITLE: Statistical teaching models of the behavior of an artificial organism

SOURCE: Ref. zh. Biologiya, Abs. 12R317

REF SOURCE: Sb. Probl. bioniki. M., Mir, 1965, 127-138

TOPIC TAGS: programmed teaching, teaching machine, computer, model, mathematic matrix / IBM 7090 computer

ABSTRACT: A program is prepared for the IBM 7090 computer on the basis of the Estes model, which is designed to imitate and predict behavior. The stimulations are from internal and external sources, and the responses of the organism are introduced into the program by a vector, the components of which are expressed by a set of zeros or ones. The stimuli and responses are related by an associative matrix (M), the columns of which correspond to elementary stimuli while the rows correspond to responses. Teaching was accomplished by changing the relations in M in accordance with the method of reinforcement. Data on the teaching of "man-made" rats in a T-shaped labyrinth are given. These data are connected with one of three responses: choice of the right-hand branch of the labyrinth (R), indeterminate response (M), and choice of the left-hand branch of the labyrinth (L). Response R is always reinforced. If at the beginning the shares of responses R and L were approximately equal, then their deviation was considerable at the end of teaching, although the share of response M was almost unchanged. V. Mil'gram [Translation of abstract]

SUB CODE: 05, 09, 06, 12

Card 1/1 *da*

doc: 577.3

MARZOYEV, K. B. Cand Agr Sci -- (diss) "Specialization and economic effectiveness of agricultural branches ⁱⁿ the kolkhozes of [REDACTED] Ryazanskii Rayon." Mos, 1959. 17 pp (All-Union Sci Res Inst of Animal Husbandry. Department of Economics and Organisation of Animal Husbandry), 150 copies (KL, 48-59, 116)

MHR-UVANOV/VL

SSCR/ Physics - Spectrography

Date 1/1 Pub. 123-774

Author(s) * Malinin, S. N., and Martsukov, V. L.

Title * New atlas of arc and spark spectra of Fe

Periodical * Vest. Akad. SSR, 1, 59 - 61, Jan 1955

Abstract * The compilation of an atlas, showing the arc and spark spectrum of Fe in the most important zone of the spectrum, is announced. The first part of the atlas comprises the ultraviolet zone and is intended as an aid to quartz spectroscopy of average dispersion. The second part of the atlas intended for visible and infra red spectroscopy is now being completed. The atlas contains many illustrations showing arc and spark spectra of Fe obtained by means of the three-lens glass spectrograph ISP-51 with UF-64 camera. Two USSR references (1953 and 1954). Table; illustrations.

Institution: /....

Presented by: Tikhov, G. A. Memb. of Acad. of Sc. Kaz-SSR

KALININ, S.K.; NAYMARK, L.B.; MARZUVANOV, V.L.; ISMAGULOVA, K.I.;
RUSANOV, A.K., professor, doktor tekhnicheskikh nauk, redaktor;
PUTAPOV, V.S. redaktor izdatel'stva; GUROVA, O.A., tekhnicheskiy
redaktor

[Atlas of spectrum lines for a glass spectrograph; explanatory
text and 26 diagrams] Atlas spektral'nykh linii dlja stekliannogo
spektrografa; poissnitel'nyi tekst i 26 planshetov. Pod red.
A.K. Rusanova. Moscow, Gos. nauchno-tekhn. izd-vo lit-ry po geol.
i okhrane nedor., 1956. 45 p., 26 l. (MIRA 10:4)
(Spectrum analysis--Tables, etc.)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1

GRINMAN, I.G.; KALININ, S.K.; MARZUVANOV, V.L.

Systematizing atomic spectra. Vest. Ak Kazakh. SSR 12 no.9:
85-89 S '56. (MLRA 9:10)

(Spectrum, Atomic)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1"

The spectral analysis of some elements by the combustion of carbon dioxide. S. V. Kostylev, V. I. Martynov, Yu. N. Kuzmin, V. M. Tikhonov, A. A. Kuznetsov, V. I. Vinogradov, and V. V. Kostylev. Izv. Akad. Nauk SSSR, Ser. Khim., No. 12, 2700-2707 (1957). It is shown that on supports of $\text{KClO}_3\text{-CaCO}_3$ mixtures, which are about 800° higher than air, carbon can produce spectra which are much more symmetrical in its shape. This is used especially for Rb, Dy, Y, Eu, Nd, Pr, Th, U, Ce, and La (unpublished), but also for Pb, Sr, Cd, Ga, In, Mo, Nb, and U, among both qualitative and quantitative analyses.

MARZUVANOV, V.L.

32-9-42/43

AUTHOR: None given

TITLE: New Books (Novyye knigi)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 9, pp.1143-1143 (USSR)

ABSTRACT: The Application of Electron Microscopy. A collection of lectures delivered on the European Congress on the Application of Electron Microscopy. 1957, 166 pages, Roubles 6.40

The Application of the Methods of Spectroscopy in the Food Industry and in Agriculture. Material dealing with the conference held on 4-7 July 1955 at Leningrad. 1957, 254 pages, Roubles 14.-

Kalinin, S.K., Marzuvanov, V.L., Fayn, E.D. Spectral Lines for the Analysis of Mineral Raw Materials. 35 pages, 1957

Sigorskii, V.P., Sinitiskii, L.A. Magneto-Electric Logometers. 199 pages

Devices for Measuring Electric and Magnetic Quantities. A collection of articles. 19 pages, 1957

Popova, N.M. Phase-Chemical Steel Analysis. 1957, 39 pages

Konokotin, S.G., Grechko, F.M. Semiconductor-Thermo-Telemasuring Devices. 20 pages, 1957

Card 1/2

MARZUVANOV, V. L.

with I. G. Grishman, S. K. Kalinin, and E. Ye. Phys. "Study of Electron Radiation Output for Spectrum Analysis"

Transactions of the Inst. of Nuclear Physics, Kazakh SSR, Inst. of Nuclear Physics, Alma-Ata, Izd-vo AN Kaz SSR, 1976,

This v.l. contains results of research at the Inst. of Nuclear Physics for the years 1954-56.

KALININ, S.K.; MARZUVANOV, V.L.; PRISH, S.E., red.; EVENSON, I.M., tekhn.
red.

[Atlas of spark and arc spectra for iron from 3718 to 9739 Å] Atlas
dugovogo i iskrovogo spektrov zheleza ot 3718 do 9739 Å. Pod red.
S.E. Prish. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi
i tsvetnoi metallurgii, 1958. 47 p. and 21, xvii plates (in
portfolio). (MIRA 11:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Prish).
(Iron—Spectra)

Sov. Radiotekhnika
Plan 1 Book References

Sov/1700

Soviet Union: 2 Volumes on spectrometry po spetskrometrii, 1956.
 1. II. Doklady nauchno-tekhnicheskogo (Material All-Union Conference on Spectroscopy, 1956, Vol. 2). Atom Spectroscopy;
 2. II. Doklady nauchno-tekhnicheskogo (Material All-Union Conference on Spectroscopy, 1956, Vol. 3). X-ray Spectroscopy;
 3. II. Doklady nauchno-tekhnicheskogo (Material All-Union Conference on Spectroscopy, 1956, Vol. 4). Optical Spectroscopy.

Additional Publishing Agency: Akademiya Nauk SSSR. Komisariata po spetskrometrii.

Soviet Union: G.S. Landsberg, *Audiotekhnika*, (Supp. No. 1);
 G.S. Shchepetilnikov, Doctor of Physical and Mathematical Sciences;
 I.L. Pashkevich, Doctor of Physical and Mathematical Sciences;
 V.A. Pashkevich, Candidate of Technical Sciences; S.M. Raskutiy,
 Candidate of Technical Sciences; L.K. Klimovskaya,
 Candidate of Technical Sciences; V.S. Miliyanchuk,
 Candidate of Technical Sciences; V.S. Miliyanchuk,
 Doctor of Physical and Mathematical Sciences; A.Ye.
 Moshkov, Doctor of Physical and Mathematical Sciences;
 V.L. Ganser, Prof. Dr.; G.V. Savchenko.

Purpose: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

Content: This volume contains 177 scientific and technical studies of atomic spectroscopy presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by scientists of scientific and technical institutes and include articles, bibliographies of Soviet and other sources. The studies cover many areas of spectroscopy: spectra of rare earths, electronic radiation, physicochemical methods for controlling emission spectrum physics and technology of gas discharge, atomic and spectroscopy, absorption dispersion in metal vapors, spectroscopy and the doublet theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables and atlases of spectral lines, spark spectrum analysis, statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochromistry in metallurgy, and principles and practice of spectrochemical analysis.

Case 2/31

Proceedings of the 10th All-Union Conference (Cont.)

Mil'man, M.G., and A.N. Salykova. Spectrographic Determination of Tin, Lead, Antimony, and Cadmium in Tin Oxide. Selenium, Tellurium, and Plutonium 161
 Shishatskii, E.P., and N.O. Karpel'. Spectral Determination of Organic Impurities on the Surface of Metal Parts 162
 Sosov, A.K., and N.V. Il'yaeva. Atlas for the Identification of Flame Spectra of Elements of 2,800-9,000 Å Wavelength 164
 Al'tshuler, A.I., I.G. Grinman, S.E. Kalitina, Yu. A. Suvorikov, and V. V. Dzhurukhina. "Pulse" Edition of the Spectral Atlas of Elements: The Mercury Spectrum 165
 Gurvitch, I.M. The GIP-1 Pulse Photoester for Measuring Instantaneous Luminescence Flux 167
 Serov, Yu. A., and N.B. Raskov. Photoelectric Method for Recording Contours of Spectral Lines in a DC Arc 168
 Serf, O.P., A.I. Rostov, and D.A. Shul'zher. Spectral Characteristics of Ultraviolet Radiation Sources and Detectors 192
 Case 12/31

Sov/1700

GRIHMAN, I.G.; KALININ, S.K.; MARZUVANOV, V.L.; FAYN, E.Ye.

Investigation of the power of an electric arc for spectrum
analysis. Trudy Inst. iad.fiz.AN Kazakh.SSR 1:296-302 '58.
(MIRA 12:2)

(Spectrum analysis)

(Electric arc)

ALEKSEYEV, A.I.; GRINMAN, I.G.; KALININ, S.K.; KUSHNIKOV, Yu.A.;
MARZUVANOV, V.L.

First number of the atlas of spectra of the elements - mercury
spectrum. Fiz.sbor. no.4:185-187 '58. (MIRA 12:5)

1. Fiziko-tehnicheskiy institut AN Kazakhskoy SSR.
(Mercury--Spectra)

KALININ, S.K.; MARZUVANOV, V.L.

Characteristics of arc discharges in an atmosphere of chlorine.
Vest. AN Kazakh.SSR 14 no.9:73-81 S '58. (MIRA 11:11)
(Electric discharges through gases) (Chlorine)

24(4)

PHASE : BOOK EXPLOITATION

SOV/3309

Akademiya nauk KazSSR. . 33". Fiziko-tehnicheskiy institut

Atlas spektra rtuti (Atlas of Mercury Spectrum) Alma-Ata, Izd-vo
AN Kazakhskoy SSR, 1959. 1. v. [10 plates in pocket] 1,000
copies printed.

Compilers: A.I. Alekseyeva, I.G. Grinman, S.K. Kalinin,
Yu.A. Kushnikov, and V.L. Marzuvanov; Eds.: S.E. Frish,
Professor, Corresponding Member, USSR Academy of Sciences, and
R.I. Suvorova; Tech. Ed.: Z.P. Rerokina.

PURPOSE: The publication is intended as a reference book for
scientific research workers and engineers.

COVERAGE: The atlas contains photos of the mercury spectrum in
the ultraviolet region, made on quartz spectrograph ISP-22
(magnified 8 times) and in the infrared region, made on
spectrograph ISP-11 with long-focus camera (magnified 6 times).
The explanatory table indicates wavelength, wave numbers,

Card 1.2

Atlas of Mercury Spectrum

SOV/3309

excitation potentials, and intensities for 224 mercury lines. Included is a diagram of energy levels of the neutral mercury atom (Hg I). There are 11 bibliographic references; 4 Soviet, 9 German, 3 English and 1 French.

TABLE OF CONTENTS:

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AVAILABLE: Library of Congress	

Card 2/2

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PHASE I BOOK EXPLOITATION

SOV/4045

Kalinin, S.K., A.A. Yavnel', A.I. Alekseyeva, V.L. Marzvanov, and L.E. Maymark

Atlas spektral'nykh liniy dlya kvartsevogo spektrografa (Atlas of Spectral Lines for the Quartz Spectrograph). Moscow, Gosgeoltekhizdat, 1959. 43 p.
23 charts [in portfolio] Errata slip inserted. 5,000 copies printed.

Sponsoring Agency: Akademiya nauk Kazakhskoy SSR. Fiziko-tehnicheskiy institut.

Ed. of Publishing House: V.G. Filatov; Tech. Ed.: G.A. Garova.

PURPOSE: This work is intended for use in spectral analysis laboratories, scientific institutions, industrial and geological laboratories, and other similar research establishments.

COVERAGE: This atlas of spectral lines, published under the auspices of the Commission on Spectroscopy of the Academy of Sciences, USSR, consists of a booklet and 23 photographic plates. The booklet contains quartz spectrograph spectral lines for 72 elements and tables on the excitation potentials of the lines and the ionization potentials of the elements which have great significance for the selection of analytic lines in quantitative spectral analysis.

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Atlas of Spectral Lines for the Quartz Spectrograph

SOV/407

The tables contain information on the wavelengths of analytic lines of the lines of other elements. They can also be used in the spectral analysis of rocks, ores, minerals, soils, metals, and glasses. The atlas was composed by means of the ISP - 22 quartz spectrograph (the new model is the ISP - 26) and the PS - 18 spectropolarimeter. It is able to reproduce exactly the dimensions and forms of a spectrum obtained in most Soviet laboratories and can also be used with other average-dispersion devices whose parameters resemble closely the ISP - 22 spectrograph ($Q = 34$, $E = 434$, etc.). The atlas makes it possible to break down the spectrum of various materials into the 72 elements in the whole range of the spectrum recorded by the spectrograph (2050 - 6800 Å). The authors think S.I. Mendel'shten, Professor A.K. Rusanov, and S.M. Rayevskiy. There are 25 references: 14 Soviet, 6 English, 3 German, 1 French and 1 Italian.

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SOV/48 2/13-3/57

247)

AUTHOR:

Marzuvanov, V. I.

TITLE:

On the Special Features of the Arc Discharge in the Atmosphere
of Some Gases

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959,
Vol 23, Nr 9, pp 1059-1061 (USSR)

ABSTRACT:

In the introduction it is said that variations with respect to the behavior, with respect to energy and of the spectrum of the gases, which occur in arc discharges as a result of the change of gas medium composition have been insufficiently investigated. In the present paper the nature of the direct current arc discharge in helium, argon, air, nitrogen, carbon dioxide and carbonic acid gas is investigated. Investigations were carried out of power, the emission spectrum, electrode temperature, and of the velocity of element evaporation. The amperage in all cases amounted to 9 a, the spark gap was 4 mm, and power was measured by means of a precision wattmeter. Transition from air to argon reduced power by one third, which leads to a decrease of electrode temperature and of the velocity of evaporation. In the case of helium, power is somewhat higher than in that of argon, as a result of the former's greater thermal conductivity. Spark lines of helium within the range of 2 500 - 7 000 Å were not observed, the argon lines were

Card 1/2

On the Special Features of the Arc Discharge in the Atmosphere of Some Gases
SOV/48-25 1-3/57

emitted by all parts of the discharge whereas the lines of He I, Ar II, C II and C III occur only near the cathode. In chlorine power is considerably lower than in air. The spectrum contains arc and spark lines of chlorine and all elements contained in the electrode material. The discharge in chlorine shows a slight dependence of the intensity ratios of spark and arc lines of the elements evaporated from the electrode on the composition of the sample. The discharge in nitrogen and carbon dioxide has similar properties as that in air. A number of particular features of the arc discharges in the various gases may be explained by the variation of the mechanism and the intensity of the heat exchange between the discharge column and the surrounding medium. In polyatomic gases dissociation plays an important part in energy release. It is thus found that the atmosphere exercises an influence upon the passage of current and on the release of energy, and rules for the selection of media for the purpose of carrying out spectral analyses may be set up. There are 2 figures, 2 tables, and 6 references, 4 of which are Soviet.

Card 2/2

24(7)

SOV/48-23-9-4/57

AUTHORS: Kalinin, S. K., Marzuvanov, V. I., Payn, E. Ye., Zanyatina,
G. M., Perevertun, V. N., Terekhovich, S. L.

TITLE: Atlas of Spectral Lines for a Spectrograph With Diffraction
Grating

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959,
Vol 23, Nr 9, pp 1061-1063 (USSR)

ABSTRACT: In connection with the series production of diffraction grating spectrographs, the necessity of methodical directive and of atlases is pointed out. At present, the authors are preparing an atlas of spectral lines for grating spectrographs. The atlas consists of plane tables (planshet) and of their descriptions. In figure 1, for example, the iron spectrum in a range extending over 66 Å is shown. This spectrum was recorded by means of the DFS-3 spectrograph, the grating of which has 300 grating lines per mm. The spectra recorded were enlarged 20 times and the lengths of the plane tables amount to 370 mm, so that, for example, the entire iron spectrum has a total length of 25 m. Owing to the high dispersion of the instrument about 7000 lines of 85 elements are recorded, and the intensity of the lines is estimated according to a 12-degree

Card 1/2

Atlas of Spectral Lines for a Spectrograph With Diffraction Grating
SOV/48-23-9-4/5?

scale; if the sample contains more than 10% of the element,
the lines are marked by the figure 1, and if it contains less
than 0.0001%, by the figure 12. In the description the proper-
ties of the lines are discussed, and directives are given
for carrying out analyses. There are 1 figure and 3 Soviet
references.

ASSOCIATION: Institut yadernoy fiziki Akademii nauk KazSSR
(Institute of Nuclear Physics of the Academy of Sciences
of the Kazakhskaya SSR)

Card 2/2

KALININ, Sergey Ksenofontovich; MARZUVANOV, Vasiliy Leonidovich; BEKBAULOVA,
Tursun Baygazinovna; SOKOLOV, A.G., red.; PROKHOROV, V.P., tekhn. red.

[Atlas of spectrol lines; region from 2095 to 1840 Å] Atlas spektral'-
nykh linii; oblast' 2095-1840 Å. Alma-Ata, Izd-vo Akad. nauk Kazakh-
skoi SSR, 1960. 27 p. — Supplement: 10 plates (in portfolio)
(MIRA 14:9)

(Spectrum analysis)

MARZUVANOV, V. L.

Cand Phys-Math Sci - (diss) "Arc discharge in the atmosphere of various gases as a source of light in spectral analysis." Alma-Ata, 1961. 11 pp; with diagrams; (Ministry of Higher and Secondary Specialist Education Kazakh SSR, Kazakh State Univ imeni S. M. Kirov); 200 copies; price not given; (KL, 7-61 sup, 219)

MARZUVAN! V. V L

PHASE I BOOK EXPLOITATION SOV/4405

Kalinin, Sergey Ksenofontovich, Vasiliy Leonidovich Marzuvan,
Lyubov' Efroymovna Naymark, and Kul'tay Ismagulova
Ismagulova

Atlas spektral'nykh liniy dlya steklyannogo spektrografa (Atlas
of Spectrum Lines for the Glass Spectrograph) [2d ed., rev.],
Alma-Ata, Izd-vo AN KazSSR, 1960. 61 p. Errata slip in-
serted. 2,000 copies printed.

Sponsoring Agency: Akademiya nauk Kazakhskoy SSR.

Ed.: V. V. Aleksandriyskiy; Tech. Ed.: Z. P. Rorokina

PURPOSE: This atlas is intended for spectroscopy experts work-
ing on the analysis of ores, metals, and alloys

COVERAGE: The atlas contains photographs of an arc spectrum
of iron in the range of 3718-9010 Å on which the location
of more than 1,300 of the most intensive spectral lines of
81 elements, including inert gases and plutonium, are re-
corded. Wavelength tables of spectrum lines include

Card 1/10

Atlas of Spectrum Lines (Cont.)

SOV/4405

excitation and ionization potentials. Detailed description of the atlas and instructions on its use in spectral analysis are also given. Soviet equipment, namely, a three-prism glass spectrograph ISP-51 with a UF-84 chamber and a PS-18 spectroprojector, was used in compiling the atlas which is intended for rapid interpretation of the visible and near infrared regions of the spectra of rocks, ores, soils, natural waters, metals, alloys, and biological materials. The Editor's Preface was written by A. K. Rusanov, Professor, Doctor of Technical Sciences. The Institut yadernoy fiziki Akademii nauk Kazakhskoy SSR (Nuclear Physics Institute of the Academy of Sciences of Kazakhstan SSR) is the sponsoring agency. The authors thank A. R. Striganov, S. M. Rayskiy, N. S. Sventitskiy, and V. G. Koritskiy. There are 119 references: 112 Soviet, 6 English, and 1 German.

TABLE OF CONTENTS:

Editor's Preface

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5

Card-2/10

S/031/62/000/C12/CC2/002
B142/B186

AUTHORS: Satpayeva, T. A., Kalinin, S. K., Satpayeva, M. K.,
Marzuvanov, V. I.

TITLE: Peculiarities of rhenium manifestation in ores from the
Dzhezkazgan deposit

PERIODICAL: Akademiya nauk Kazakhskoy SSR. Vestnik, no. 12 (213),
1962, 56-65

TEXT: Re is widely spread in the copper deposit mentioned in the form of an independent mineral in a thin-dispersed state. The occurrence extends over the whole deposit and veinlets and spots are particularly frequent in highly mineralized sections. The rhenium mineral is bound to hypogenic bornite-chalcocite ores separated toward the end of the first copper mineralization period. In the solution that liberated pure bornite, the rhenium was, in part, highly concentrated, so that rhenium mineral of spongy structure was precipitated in the bornite. It was only toward the end of the bornite-chalcocite sedimentations that small amounts of the rhenium mineral were separated as finest, pure grains and

Card 1/3

S/031/62/CC3/C12/CC2/CC2

B142/B186

Peculiarities of rhenium ...

constituted replacement structures in the bornite and in the accompanying rutile. The following properties were found: Color: pale pink - cream, on small magnification. On higher magnification, darker, brown, blurred spots became visible in the bright ground mass; they were identified by electron microscope as finest intergrowths of rhenium mineral with bornite. Reflecting power: ~30% in the bright sections, 26-27% in the dark spots, depending on the wavelength. Microhardness: 208.7-281.0 kg/mm². Optics: very weakly anisotropic. Etching: concentrated HNO₃ does not change the bright parts of the Re mineral, but only the dark spots. 20% KCN solution colors the surface slightly brown. A local spectrum analysis showed that the Re to Mo ratio was more stable than the ratio of Re to other ore-forming elements. The chemism could not be determined since the x-ray spectrum microanalyzer covers a volume of 3-10 μ³ which, in the case of Re mineral, already comprises bornite and chalococite inclusions. The Re mineral showed the same structure in the polarising and the electron microscopes: finest Re mineral veins at the edge of the bornite grains are entangled, and increasingly so toward the middle, forming a dense network with the bornite in its meshes. This makes it impossible to isolate the Re mineral chemically, hence the measured

Card 2/3

Peculiarities of rhenium ...

S/031/62/000/012/002/002
B142/B186

physical data are of doubtful dependability. A study of the Re mineral intergrowths with rutile might help here, but hitherto it has been possible to render them visible, only by immersion in oil, which made the measurements difficult. The results show that this is an independent Re mineral for which the name "dzhezkazganite" has been proposed. There are 33 figures and 2 tables.

ASSOCIATION: AN KazSSR (AS KazSSR); Dzhezkazganskiy gorno-metallurgicheskiy kombinat (Dzhezkazgan Mining and Metallurgical Combine)

Card 3/3

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1

CABOCHKO, V. M. 30-330-1, VIENNA, VIENNA, AUSTRIA, 1945-1950

Refugee from the Soviet Union, now living in Vienna, Austria.
Left Germany with his family in 1945, after the end of World War II.

1. Name of the person or organization:

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1"

KALININ, S.K.; MARZUVANOV, V.L.; MUKHTAROV, S.M.

[Atlas of the arc spectrum of iron] Atlas dufovenie
spektra zheleza. Moskva, Metallurgija, 1965. 54 plates.
in folder. [Text] 55 p. (NIKA 19:1)

MARZYCKA, A.

"For a higher standard of exploitation of electric power in agriculture" MECHANIZACJA
I ELEKTRYFIKACJA ROLNICTWA (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Vol 6,
No 2, Apr/June 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

MARZYMSKI, W.; STANISZEWSKI, J.

Spring jaw chuck and adjuster for tension of saw in frames with
compressing semi liquid substance. Przem drzew 11 no.9:5-6 '60.

REDLICH, Franciszek; MARZYNSKA, Stefania

Significance of schools for mothers in health education. Pediat
pol 29 no.1:111-114 Ja '54.
(REAL 3:8)

1. Otrzymano: 18.IX.1953)
(MATERNAL WELFARE,
*in Poland, prenatal maternal educ.)

MARZYNISKI, Ignacy

Small production within the action of "100 small artifices".
Przegl drobnej wytworcosci 12 no.6:13, l. Nr '6.

MASA, J.

Masa, J. Towing pilots. p. 321. From the aeronautic world in words and pictures. p. 322. KRIDLÁ VLASTI. Praha. No. 14, July 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

KURFNYSHOV, Yu., inzh. (g.Orsk); MASAGUTOV, M.~~A.~~; POPOV, S.; BUKHANTSEV,
N.; UGNIVENKO, P.N.; UFIYKO, F.F., master-vzryvnik; PROZOROVSKIY,
V.I., master-vzryvnik; FOMIN, F.F., master-vzryvnik; DRZIEV, i.i.,
master-vzryvnik

Readers' letters. Bezop.truda v prom. S no.12:33 D '61.
(File 1:1)

1. Nachal'nik turovzryvnykh ratot Solikanskogo kalyynogo kombinata
(for Masagutov). 2. Upravlyayushchiy trestom "Soyuzvzryvprom"
(for Popov). 3. Nachal'nik proizvodstvennogo otdela tresta
"Soyuzvzryvprom" (for Buhantsev). 4. Nachal'nik turovzryvnykh
ratot shakhtoupravleniya 1-5 tresta Kirovugol' Luganskogo sovnarkhoza
(for Ugnivenko). 5. Shakhtoupravleniye 1-5 tresta kirovugol'
Luganskogo sovnarkhoza (for Utiyko, Prozorovskiy, Fomin, Brozdov).
(Industrial safety)

REF ID: A62842 (A) / EPT(+) / EPT(+) / EPT(C) / EPR(+) / EPT / EPR(+) / EWP(B) - Pg-4/Vr-1/

UR/0313/65/000/006/002/001/

665.53.096.51(665.521.2.+547.213.013.2)

AUTHORS: V. V. Vinogradov, R. V. Akmentynov, M. V. Bochev, O. A.

TITLE: Pyrolysis of benzene, cyclohexane, and propene-propylene fraction in a quasi-
liquid layer

SOURCE: Vysokomolekulyarnaya khimiya, no. 6, 1967, 42-44

TOPIC: Benzene, pyrolysis, pyrolytic polymerization

ABSTRACT: Benzene was subjected to pyrolytic decomposition in a reactor shown schematically in Fig. 1 on the enclosure. The procedure involves electrical current transmission through a quasi-liquid layer of a granular conductive material. This leads to the formation of multiple microarcs between the particles (temperature exceeding 3000°), and the Joule heat generation within the granules, resulting in the latter being heated to 3000°. Products of practical interest formed at 500-750° were cyclohexene, and pyrolytic resin. Ethylene content in the pyrolyzed increased in this temperature interval, reaching its maximum at 500-750° (4.7% by vol. at 5% conversion). Its content in the gel decreased during further increase in temperature, but its yield continued growing because of the conversion.

Card: 1/2

56-74-6
ACCESSION NO.: A-5016199

Intensification which reached 100% at 800°C. At 750°C the pyrolysis contained no hydrocarbons with more than carbon atoms above 750°C consisted of hydrogen, methane, ethylene, and acetylene. Hydrogen generation was at its maximum (50.3% by wt) at 750°C and dec. 100 to 41% with a temperature increase to 1300°C. Hydrogen content increased to 71.1% by wt within the 700-750°C interval, and amounted to 77.0% by wt at 1300°C. Electrolysis of the propane-propylene fraction at 100-1100°C produced the gases containing C₂-hydrocarbons composed of 90% ethylene, 5% acetylene, and 4% hydrogen. The content of pyrolytic components obtained experimentally can be increased by a better choice of electrolysis conditions.

Original date: 11-17-1982

ASSOCIATION: DOD/DOE

SUBMITTED: 00

ENCLOS: 01

SUB CODES: 77

NAME: COV: 000

OTHER: 000

Code 2/

ACCESSION NO. A2016199

ENCLOSURE - 01



Fig. 1. Scheme of an assembly for electropolymerization:
1--heater (for heating crude);
2--distribution ion layer (of graphite, carbon powder);
3--lower electrode; 4--quasi-liquid layer;
5--reactor; 6--upper electrode; 7--cooler; 8--reverse cooler;
9--gas counter; 10--receptacle;
11--thermo-couple.

Flow: 1--benzene; 2--nitrogen;
3--specimen separation

ADEL'SON, S.V.; MASAGUTOV, R.M.; GORLOVA, P.N.

Study on the hydrodynamics of a regenerator in catalytic cracking. Trudy BashNII MF no.1:120-175 '59. (MIRA 12:6)
(Catalysts)

MASAGUTOV, R.M.; BERG, G.A.

Modified design of an outlet for flue gases in a regenerator.
Trudy BashNII MP no.1:136-144 '59. (MIRA 12:6)
(Catalysts) (Chemical apparatus)

EYGENSON, A.S.; ADEL'SON, S.V.; MASAGUTOV, R.M.; ZAITOVA, A.Ya.

Admissible residual coke content during catalytic cracking.
Trudy BashNII NP no.1:145-155 '59. (MIRA 12:6)
(Cracking process) (Catalysts) (Coke)

MASAGUTOV, R.M.; SHESTAKOVA, N.M.; MIKHAYLOVA, M.G.; GILYAZEV, N.G.;
ZAITOVA, A.Ya.; VOLKOVA, L.I.

Effect of temperature during calcination on the mechanical
strength of catalysts. Khim. i tekhn. topl. i masel 4 no.1:
69-71 Ja '59. (MIRA 12:1)

1. Bashkirskiy nauchno-issledovatel'skiy institut neftyanoy
promyshlennosti.
(Catalysts)

MASAGUTOV, R. M., Cand Tech Sci -- (diss) "Investigation of some problems in the dynamics of gas and grainy material in the regeneration of an aluminosilicate spherical catalyst." Moscow, 1960. 14 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor, Red Banner Institute of the Petrochemical and Gas Industry im I. M. Gubkin); 130 copies; price not given; (KL, 1960, 134)

EIGENSON, A.S.; MASAGUTOV, R.M.; ZAITOVA, A. Ya.; VOLKOVA, L.I.; BERG, G.A.;
YEFIMOVA, A.K.

Effect of some physicochemical properties of raw stock on
catalytic cracking indices. Trudy. Bash NII NP no.3:19-32
'60. (MIRA 14:4)
(Cracking process)

MASAGI TOV, R.M.

Developing new method for testing the mechanical strength of
spherical aluminosilicate catalysts. Trudy Bash NII NP no. 3:158-
165 '60. (MIRA 14:4)
(Aluminosilicates)

MASAGUTOV, R.M.; SHESTAKOVA, N.M.; MIKHAYLOVA, M.G.; GILYAZEV, N.G.;
ZAITOVA, A.Ya.; VOLKOVA, L.I.

Effect of the firing temperature of a catalyst during preparation
on its mechanical strength. Trudy Bash NII NP no.3:166-170 '60.

(MIRA 14-4)

(Catalysts) (Cracking processes)

S/081/61/000/013/011/025
B110/B205

AUTHORS: Masagutov, R. M., Berg, G. A., Evgenson, A. S.

TITLE: Purification of the raw material of catalytic cracking by means of sulfuric acid

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1961, 516, abstract 13M205 (Tr. Bashkirsk. n.-i. in-t po pererabotke nefti, 1960, vyp. 4, 15-30)

TEXT: For the purpose of developing a simple and inexpensive method of preparing the raw material of catalytic cracking, attempts have been made to purify vacuum gas oils with sulfuric acid with subsequent catalytic cracking of the purified raw material. It was shown that an abrupt change in the equilibrium of catalytic cracking occurs if the raw material is purified with a > 80 % acid. Purifying the raw material with 2 % by volume of a 95 % acid increases the yield of gasoline and gas oil in catalytic cracking by 7-9 and 3-4 % by weight, respectively, for raw material from Tuymazy, and by 13-14 and 11-12 % by weight for raw material from Arlan. The yield of coke is lowered correspondingly. Intensified purification of the raw material

Card 1/2

Purification of the raw material...

S/081/61/000/013/011/024
B110/B205

increases the content of aromatics in catalytically cracked gasolines, and lowers the content of sulfurous and unsaturated compounds. An analysis of the material equilibrium makes it possible to recommend the purification of vacuum gas oils of sulfurous petroleum with sulfuric acid as a suitable method for preparing the raw material for catalytic cracking. [Abstracter]
note: Complete translation.]

Card 2/2

MASAGUTOV, R.M.; BERG, G.A.

Effect of the quality of raw material on the activity of the aluminosilicate catalyst. Khim.i tekhnicheskie i masel'noe proizvodstvo no.3:18-22 Mr '61.

(MIRA 14:3)

1. Bashkirskiy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti.

(Alumonisilicates)

11.0140

26519
S/065/61/000/008/002/009
E030/E135

AUTHORS: Masagutov R M., Berg, G A. and Volkova L I.

TITLE: The effect of degree of hydrofining feedstock for catalytic cracking

PERIODICAL: Khimiya i tekhnologiya topliv i masel 1961 №.8
pp 8-13

TEXT: This experimental investigation was to improve the yield and quality on cat cracking high-sulphur, high-coking crudes such as Chekmagush and Arlan for such crudes hydrofining is an obvious approach. Work was on the laboratory scale. The hydrofiner unit held 200 ml aluminocobalt molybdate catalyst and the cat. cracker used alumino-silicate catalyst of activity 32-33 points. Cat. cracker space velocities were 0.7, 1.0 or 1.5 per hour and the cycle time 30 minutes. For hydrofining optimum conditions were virtually independent of space velocity and consisted of 50 kg/cm² gas pressure and 370°C temperature. Comparing hydrofined and unhydrofined material under cracking conditions with identical coke formation (4.5% weight) the output of benzine fraction was increased from 36 to 61.5%.

Card 1/2

The effect of degree of hydrofining .

26519
S/065/61/000/008/002/009
E030/E135

In order to obtain 1% sulphur diesel fuel from Chekmagush feed it was necessary to hydrofine at 370°C, 50 kg/cm² pressure and 0.8-1.0 per hour space velocity.

There are 7 figures and 2 tables, and 22 references; 10 Soviet and 12 non-Soviet. The English-language references read as follows
Ref 13: Viland, C.K. Petroleum Refiner, 36, No 3, 197-220 1958
Ref.14: Samnelson, G.I., Woelflin, W. Petr. Ref. 38, No 3, 211 223 1959, Ref.16: Abbott, M.D., Archibald, R.C., Dorn, R.W. Oil and Gas J., 56, No.20, 144, 1958; Williams, C C., Abbott, M D. Petrol. Eng 32, No.5, 25-28, 1960.

ASSOCIATION: BashNII NP

Card 2/2

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1

ZAITSEVA, ALYNA; MACAULEY, TIM; VITOV, VIKTOR; ZHURAVLEV, VLADIMIR
V.YE.

Purifying the catalyst of molybdenum carbonyl by means of a
silicate catalyst. May 1980. NIIKhimProm, Moscow.

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1"

BERG, G.A.; MASAGUTOV, R.M.; VOL'KOV, I.S.; KIRILOV, S.V.; GORILOV, M.I.; KHARITSKAYA, R.Z.

Hydropurification of thermal cracking efflux. Izv. Akad. Nauk SSSR
69-77 '62.
(MIRA 1710)

L-12293-53

EPT(c)/EMT(m)/EDS APFTC/APGC Prod. Br/MS

3/021/63/000/005/050/075 (63)

61

AUTHOR:

Bogolyubov, N. N., Baug, G. A. and Volkova, L. I.

TITLE:

Preparation of the catalytic cracking raw materials by the hydrogenation refining method

PERIODICAL:

Neftekhimichnyy zhurnal, Khimika, no. 5, 1963, 499, abstract SPIAG
(Zh. nefttekhim., N.-A. 18-4, no. pararabotka nafti, 1962, no. 5,
77 - 82)

TEXT: After a review of literature the data are presented from experimental tests in the indicated field, as a result of which there were established optimum conditions for hydrogenation refining of raw material for catalytic cracking, pressure of 50 atm, temp. 370°C, circulation of H_2 600 ml/l of raw material, volume speed of flowing of the raw material 0.5 - 10 ml/min, depending on the desired degree of refining. It was shown that, under similar hydrogenating conditions of refined and unrefined gas oils to an identical extent of conversion (about 4-5% by weight) the output of gasoline from refined gas oil is 20-25% 0.5% greater than from unrefined, depending on the volume speed of hydrogen refining. It was shown that to obtain fractions of

Card 1/2

L 12293-63

Preparation of the catalytic

3/061/63/000/005/050/075 *2*

Catalytic with content of up to 1.6% from gas oil of Chokmagash petroleum it is necessary to subject the last to refining at volume speed of 0.8 - 1 hour⁻¹. The treatment of raw material of catalytic cracking leads to an improvement in the material balance of catalytic cracking and to an increase in quality of products. Also, it decreases the contamination of the catalyst by aluminum oxides and nitrogen compounds and reduces the corrosion of equipment, as well as improving the conditions for exploitation of the plant by a reduction of S compounds. The economic reports indicate that preliminary treatment of raw material for cracking by the hydrogen refining method costs approximately 10% less than hydrogen-refining of the catalytic cracking products. The "Chokmagash" contains 54 items. A. B.

(Authorizer's note: Complete translation)

Card 2/2

L 12294-63

KPF(c)/EMT(m)/BDS APPTC/APOC Proj. No.

3/031/63/000/005/051/075 64

67

AUTHOR:

Mazurkova, R. M., Berg, G. A., Volkova, L. I., Plotnikova, L. I.,
Tikhonova, T. N., Tsygankova, L. N., and Kurenov, A. A.

TITLE:

Combinations of preparation of raw material for catalytic cracking and obtaining of neutralized contact catalyst

PERIODICAL:

Khimičeskij zhurnal, Khimija, no. 5, 1963, 499, abstract 5P147 (Tr.
Moskovsk. na-t. in-t. po neftobutteku naft, 1962, no. 5, 88 - 93)

TEXT: At an experimental plant in 2 l capacity reactor in a mobile layer of deoiled coked catalyst (KT) at 450° C volume speeds of 0.7, 1.0 and 1.5 $\text{cm}^3/\text{cm}^2\text{s}$, circulation ratio (KV) 3:1 (index of activity of KT 32 - 33 points) experiments were conducted on cracking of purified (so-called "depleted") gas which flows a plant for producing neutralized contact catalyst (NCK) and extracting oil from oil from a mixture of Shchepov and Romashkin petroleum. In comparison with acid purified gas oil the extraction of coke is lower than in cracking of unrefined gas oils. Gas which forms in cracking of refined gas oil contains more propane-propylene and butane-butylene fractions and less

Card 1/2

L 12294-63

Combinations of preparation

3

8/08/63/000/005/051/075

I.P. Gasoline, extracted in cracking of refined gas oil, contains a smaller amount of S compounds and is more stable during storage. As a result of cracking of refined gas oil a 30 - 40 % fraction of diesel fuel with content of S < 1 % is extracted. The process is economical, which is indicated by calculations conducted by one of the Ufim oil refineries. A. Nagatkina.

[Abstractor's note: Complete translation]

Card 2/2

MASAGUTOV, R.M.; BERG, G.A.; KOLBINA, L.I.; KHARITSKAYA, N.P.

Economic effectiveness of certain varieties of the preparation of
raw stocks for catalytic cracking. Trudy Bash NIIP no. 5:94-98
'62.

(MIRA 17:10)

DOCUMENT NO: A6300052

2/0001/63/000/007/0006/0006

Authors: V. M. Gulyamov, A. S. Tsvetkov

Abstract: Gulyamov, R. M.; Gulyamov, A. S.; Tsvetkov, D. V.;
Dmitriev, G. L.; Gulyamov, G. M.; Gulyamov, A. S.

Title: Activity of Al-50-50 and Al-51-50 catalysts in hydro-cracking
of diesel fuels

Source: Dokl. Akad. Nauk SSSR, no. 10, 1960, 21-24

Abstract: Diesel fuel; hydro-cracking; Al-50-50 and Al-51-50
catalysts

Abstract: Results are presented on hydro-cracking of diesel fuel from
a number of refineries and plants. In particular, over intact
catalysts (Al-50-50 and Al-51-50) the yields of kerosene were con-
siderably higher (between 50-60 and circulation of hydrogen at 1000°K).

Conf: V

ACKNOWLEDGMENT:

The rate of 100 kgm³/liter/hour was measured at a temperature of 200° and a hydrolytic rate of 2.0% per hour. In the first series of experiments, the temperature in the reactor varied from 200 to 400°, and the hydrolytic rate increased as the temperature was maximized at 300° and decreased as the temperature was reduced to 200°. The hydrolytic rate was found to be 1.0-5.0 liter/kgm³ hr. At hydrolytic rates of 1.0-5.0 liter/kgm³ hr, the extent of deacetylation over 100 hours was approximately 10% at 200° and 300°, becoming 10% complete at 400°. The extent of deacetylation increased over 100 hours at 400°. Under the conditions of the experiment, it is possible to achieve 100% deacetylation of the cellulose at 400°. At the same time, the extent of deacetylation decreased to 10% at 200°. It is possible to hydrolyze 100% of the cellulose at 200°. The results show that it is possible to remove the acetyl groups from cellulose at temperatures above 300°. The results are in agreement with the results previously published by S. G. Ossipov.

RECORDED AND INDEXED

SEARCHED: 00 INDEXED: 00

CONT'D: 2/2

MASAGUTOV, R.M.; BERG, G.A.; KIRILLOV, T.S.; VARFOLOMEYEV, D.F.; KULINICH,
G.M.; SKUNDINA, L.Ya.

Hydrofining of diesel fuel from high sulfur-bearing crude with a
decreased consumption of hydrogen. Khim. i tekhn. topl. i masei
8 no.12:7-12 D '63. (MIRA 17:1)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke
nefti i Ufimskiy neftepererabatyvayushchiy zavod.

MASAGUTOV, R.M.; GIMAYEV, R.N.; DANILOVA, R.A.; RISOV, B. a.;
OLEFIR, N.A.

Test run of a high-temperature catalytic cracking unit using
vacuum gas oil as the raw stock. Trudy BashNII NP no.7:29-35 '64.
(MIRA 17:9)

MASAGUTOV, R.M.; BERG, G.A.; KIRILLOV, T.S.; VARFOLOMEYEV, D.F.;
KULINICH, G.M.; SKUNDINA, L.Ya.

Reducing the consumption of hydrogen in the hydrofining of
diesel fuel from sour oil. Trudy BashNII NP no.7:36-46 '64.
(MIRA 17:9)

MASAGUTOV, R.M.; BERG, G.A.; VARFOLOMEYEV, D.F.; SELIVANOV, T.I.,
BUGAY, Ye.A.; KULINICH, G.M.; SOKOLOVA, V.I.; MUKHAMEDOV, M.N.

Chemosorption purification of benzene. Trudy BashNII NP
no.7:121-127 '64.
(MIREA 17:9)

MASAGUTOV, R.M.; BERG, G.A.; VARFOLOMEYEV, D.F.; SELIVANOV, T.I.;
~~SHOKH~~, Ye.A.; MUKHAMEDOV, M.N.; KULINICH, G.M.; SOKOLOVA, V.I.;
KIRILLOV, T.S.

Hydrogenation of benzene on a nickel catalyst on kieselguhr.
Trudy BashNII NP no.7:127-133 '64. (MIRA 17:9)

L 52129-47 (1970) / EPT
ACCURACY TESTS / 201630

BR/0063/65/003/003/0042/0046

AUTHOR — **WILLIAM H. G.**
ARTIST PAINTER

THE 1990S: A DECADE OF CHALLENGE AND CHANGE

SOURCE: <http://www.fcc.gov/edocket.access/2001/00-114.pdf>

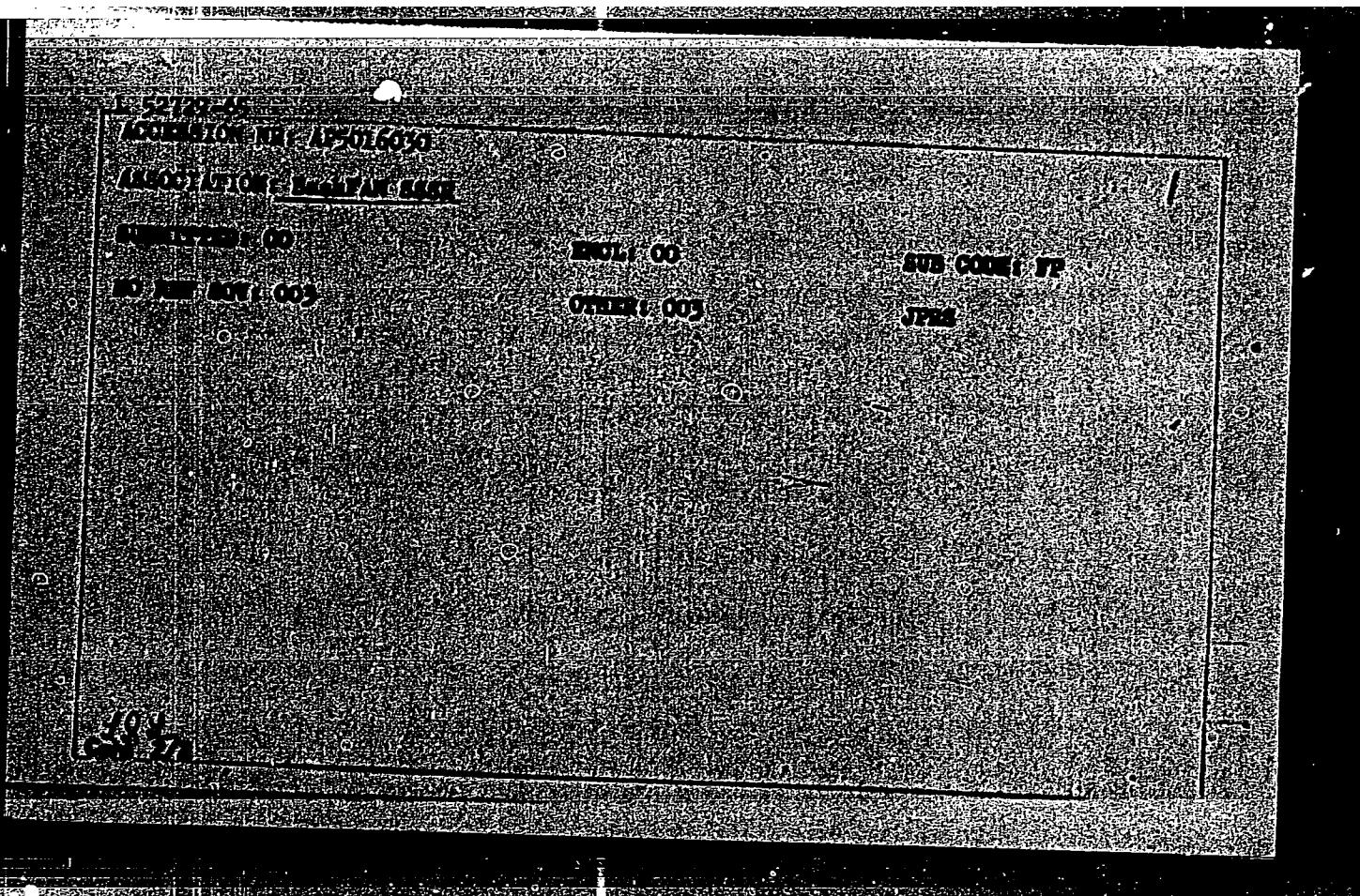
TOP SECRET // **REF ID: A6512** // **U.S. GOVERNMENT USE ONLY**

ANALYSIS: The main components which cause a breakdown of the electrical characteristics of phenol extract of tuybury transformer distillate are certain sulfur compounds of the sulfide type, and aromatic hydrocarbons with a nonaromatic side molecular structure. The possibility of reprocessing these extracts to use stable oils of the condenser type with good electrical and hydrocarbon qualities can be used to achieve this purpose. Reprocessing of the extracts to use stable insulating oils permits a substantial increase in the effectiveness of utilization of the initial raw material and provides the electrical industry with the stable distillates.

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CIA-RDP86-00513R001032710006-1



APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1"

○ 125703-177(8/47C)17-174
125703-177(8/47C)17-174

2023/07/22/0003/0003/0003

the expression of a hydroxylase enzyme for diethylstilbestrol.

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19. *Leucosia* *leucostoma* *leucostoma* *leucostoma* *leucostoma*

the following table, which gives the results of the analysis in connection

After about 1 month's operation, the catalyst had the basic design and the results of 7 months operation were as follows: The catalyst was refined by treatment with diesel fuel and cleaned. It was then heated over an electric furnace at 100-140°C. in a tubular furnace to 180-400°C. and separated from the catalyst carrier. Hydrogen-containing gases were separated from the reactor in a decompositing unit, and recirculated. After regeneration, the catalyst was used to produce fuel oil. The product was passed through a stabilizer to remove water. The water content varied from 1.0% to 1.4 wt.-%. The sulfur concentration was reduced initially to 0.02 wt.-%.

11-22-1964
LAWRENCE

the hydrogen pressure was increased from 30 to 34-36 to decrease the hydrogen consumption. Various improvements were made on unsatisfactorily performing units as described. On the average, 2 cables and 1/2 quarts

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Page 60

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CIA-RDP86-00513R001032710006-1

Советский Союз, включая Китай и Японию.

• А. А. Смирнов • Т. А. Григорьев (г.)

• А. А. Смирнов • Т. А. Григорьев (г.)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1"

L-47385-60 / EPL(D)/EPL(C)/EPL(T)/EPL(B) / PT-4 / CIP(1) / ID/MC

ACCESSION NO.: APL006619

S/0065/65/000/002/0003/0006

AUTHOR: Lebedev, N. M.; Berg, G. A.; Varfolomeyev, D. F.; Selivirov, T. I.
Alimov, G. H.; Dekorov, A. R.; Kirillov, T. S.; Pau, G. M.; Mirkin, M. K.
Derevyanko, L. V.; Smirnova, S. G.

TITLE: Water-purification of diesel fuel with a lowered expenditure of hydrogen
using an aqueous medium

SOURCE: Khimika i tekhnologiya topliv i naftы, no. 4, 1965, 3-6

TOPIC CODE: Water-purification; diesel fuel; hydrogen

ABSTRACT: Following adoption of the UNP/2/445 "Order of Lenin" water-purification unit which removes water from petroleum verified the recommendations of the Scientific Research Institute of the Chemical Industry and the All-Union Scientific Research Institute of the Chemical Industry on the possibility of reducing hydrogen consumption. The average annual hydrogen consumption for 1963 in removing water from highly distilled and redistilled diesel fuel at a reactor pressure of 350°C and a pressure of 28-36 atm amounted to 0.40, or less than planned by a factor of 1.5. Lowering the pressure in the reactors from 34-36 to 28-30 at

card 1/2

L-47365-55

ACCESSION NO.: AB5006819

It is possible to reduce hydrogen consumption by 1.3 times without degrading the quality of the work. The regeneration method for operation of the catalyst was 3 methods. The activity of the first reactor catalyst decreases more quickly than the catalyst from subsequent reactors. A depth of purification of raw materials of sulfur compounds below 50% occurs in the first reactor after processing 1200 tons of raw material per cubic meter of catalyst and in the second reactor upon the purification of 2000 tons of raw material per cubic meter of catalyst. Orig. art. has 2 figures, 1 table.

ASSOCIATION: Research Institute of Oil and Petrochemistry (NIPZ)

SUBMITTED: 00

ENCL: 00

SUB-CODE: GC, OC

NO. REC'D. SOW: 0005

OTHER: 000

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1

BUSSOV TCV, K.M.; DUBOVSKY, G.S.; DURD, J.A.; OKOLOV, V.V.

Effect of vertical shear on the stability of the boundary layer and entrainment in flow past a cylinder. Mekhanika zhidkostey i gaza, No. 24-25, 1965.

... Basnafeskiy dachnye i vodnye resursy SSSR, 1965, p. 100-101.

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001032710006-1"

MASAGUTOV, R.M.; AKHMETOV, M.M.; BERG, G.A.

Electric pyrolysis of gasoline and propane-propylene fractions in
fluidized bed. Nefteper. i neftekhim. no.6:42-44 '69. (MIA 18:-)

i. Bashkirskiy nauchno-issledovatel'skii po pererabotke nefti.

KALANTAR, N.G.; MASAGUTOV, R.M.; GAL'PERINA, M.A.; GLAZUNOV, V.I.;
AKMETSHINA, M.N.

Gas-resistant insulating oils from extracts of selective re-
fining. Khim. i tekhn. topl. i masel 9 no.11:42-46 N '64
(MIRA 18:1)

1. Bashkirskiy filial AN SSSR.

MASAGUTOV, R.M.; BERG, G.A.; VARFOLOMEYEV, D.F.; SELIVANOV, T.I.; KULINICH, G.M.;
MIRONOV, A.A.; KIRILLOV, T.S.; PAU, G.M.; ANTIFIN, M.K.; DEREVYANKO,
P.I.; SMIRNOVA, S.G.

Hydrofining of diesel fuel with decreased expenditure of hydrogen
on an industrial plant. Khir. i tekhn. topil i masel 10 no.2:3-6
F '65. (MIRA 18:8)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke
nefti i ordona Lenina Ufimskiy neftepererabatyvayushchiy zavod.

ACCESSION NR: AT4043273

S/2744/64/000/007/0036/0046

AUTHOR: Masagutov, R. M., Berg, G. A., Kirillov, T. A., Varfolomeyev, D. F.,
Kulinich, G. M., Skundina, L. Ya.

TITLE: Methods for decreasing the hydrogen consumption during hydrofining of Diesel fuel
from high-sulfur petroleum

SOURCE: Ufa. Bashkirsky nauchno-issledovatel'skiy institut po pererabotke nafti, Trudy*,
no. 7, 1964. Sernistyye nafti i produkty ikh pererabotki (Sour crude oil and products of
refining), 36-46

TOPIC TAGS: petroleum, Diesel fuel, desulfurization, hydrogen consumption, hydro-
carbon, naphthenic hydrocarbon, dehydrogenation, petroleum refining, hydrofining, high
sulfur petroleum, Aram petroleum

ABSTRACT: Since the main difficulty in the hydrofining of petroleum is supplying the re-
finery with hydrogen, the authors attempted to utilize the hydrogen liberated during the
process itself as a result of dehydrogenation of the naphthenic hydrocarbons in the raw
material. An Aram petroleum fraction (density 0.863, sulfur content 2.58%, iodine

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